

**We claim :**

1. Compounds of structural formula I and formula II as in figure 1.0 as inhibitors of histone acetyl transferase where in

5  $R_1$  is OH, halogens, O-Methoxy, O-Ethoxy, O-Isopropoxy, O-Allyloxy, O- Butoxy, O-t-Butoxy, O-Pentoxy, O-Hexyloxy, O-CH<sub>2</sub>-COOH, O-CO-CH<sub>2</sub>-Cl, O-SO<sub>2</sub>-CH<sub>3</sub>, O-CH<sub>2</sub>-CHOH-CH<sub>3</sub>

$R_2$  is OH, halogens, O-Methoxy, O-Ethoxy, O-Isopropoxy, O-Allyloxy, O- Butoxy, O-t-Butoxy, O-Pentoxy, O-Hexyloxy, O-CH<sub>2</sub>-COOH, O-CO-CH<sub>2</sub>-Cl, O-SO<sub>2</sub>-CH<sub>3</sub>, O-CH<sub>2</sub>-CHOH-CH<sub>3</sub>

10  $R_3$  is OH, halogens, O-Methoxy, O- Ethoxy, O-Isopropoxy, O-Allyloxy, O- Butoxy, O-t-Butoxy, O-Pentoxy, O-Hexyloxy, O- CH<sub>2</sub>-COOH, O-CO-CH<sub>2</sub>-Cl, O-SO<sub>2</sub>-CH<sub>3</sub>, O-CH<sub>2</sub>-CHOH-CH<sub>3</sub>

$R_4$  is OH, halogens, O-Methoxy, O-Ethoxy, O-Isopropoxy, O-Allyloxy, O- Butoxy, O-t-Butoxy, O-Pentoxy, O-Hexyloxy, O-CH<sub>2</sub>-COOH, O-CO-CH<sub>2</sub>-Cl, O-SO<sub>2</sub>-CH<sub>3</sub>, O-  
15 CH<sub>2</sub>-CHOH-CH<sub>3</sub>

$R_5$  is OH, halogens, O-Methoxy, O-Ethoxy, O-Isopropoxy, O-Allyloxy, O- Butoxy, O-t-Butoxy, O-Pentoxy, O-Hexyloxy, O-CH<sub>2</sub>-COOH, O-CO-CH<sub>2</sub>-Cl, O-SO<sub>2</sub>-CH<sub>3</sub>, O-CH<sub>2</sub>-CHOH-CH<sub>3</sub>

20 2.A process of preparing compounds as described claim 1 by known methods.

3.A method of treating a patient suffering from diseases due defects in gene regulation predominantly or at risk of, cancer, which comprises administering to the patient a therapeutically effective amount of a compound of formula (I) to activate histone acetyltransferases or formula (II) to inhibit histone  
25 acetyltransferase or a pharmaceutically acceptable salt or solvate of these compounds.